

FIG. 1

WIRELESS DEVICE 100



<p>BROWSER 102</p> <p>MOBILE WEB SERVICES</p> <p>RESULTS FROM BROWSING UDDI REGISTRY UNDER SEARCH HANDLE "_STOCKS_"</p> <p>RETURNED businessList MESSAGE:</p> <p>(1) WALL STREET JOURNAL ONLINE (2) CNBC FINANCIAL NEWS (3) MOTLEY FOOL FINANCIAL NEWS (4) YAHOO FINANCIAL NEWS</p> <p>SELECT ITEM FROM RETURNED LIST OR CONTINUE BROWSING</p>	KEYPAD 104
APPLICATION PGMS 106	
WAP CLIENT PROGRAM 108	

FIG. 1B

WIRELESS DEVICE 100



<p>BROWSER 102</p> <p>MOBILE WEB SERVICES</p> <p>BROWSE UDDI REGISTRY FOR WEB SITE URLS</p> <p>ENTER SEARCH HANDLE "_STOCKS_"</p> <p>ENTER LETTERS OF FIRST TERM "_WALL STREET_" IS THIS A BUSINESS NAME? Y/N "_Y_" IS THIS A SERVICE NAME? Y/N "_N_"</p> <p>ENTER LETTERS OF SECOND TERM "_FINANC*_" IS THIS A BUSINESS NAME? Y/N "_Y_" IS THIS A SERVICE NAME? Y/N "_N_"</p> <p>SEND "_find_business_" XML INQUIRY WITH SOAP PROTOCOL</p>	KEYPAD 104
APPLICATION PGMS 106	
WAP CLIENT PROGRAM 108	

FIG. 1A

WIRELESS DEVICE 100



BROWSER 102
MOBILE WEB SERVICES
SELECT ITEM FROM RETURNED LIST
DRILL-DOWN BUSINESS ENTITY DATA " _WALL STREET JOURNAL ONLINE_"
SEND "_find_service_" XML INQUIRY WITH SOAP PROTOCOL
KEYPAD 104
APPLICATION PGMS 106
WAP CLIENT PROGRAM 108

FIG. 1C

WIRELESS DEVICE 100



BROWSER 102
MOBILE WEB SERVICES
RESULTS FROM BROWSING UDDI REGISTRY UNDER SEARCH HANDLE "_STOCKS_"
RETURNED serviceList MESSAGE FOR WALL STREET JOURNAL ONLINE: (1) TECH STOCK NEWS (2) DRUG STOCK NEWS (3) ENERGY STOCK NEWS (4) COMMODITIES NEWS
SELECT ITEM FROM RETURNED LIST OR CONTINUE BROWSING
KEYPAD 104
APPLICATION PGMS 106
WAP CLIENT PROGRAM 108

FIG. 1D

WIRELESS DEVICE 100

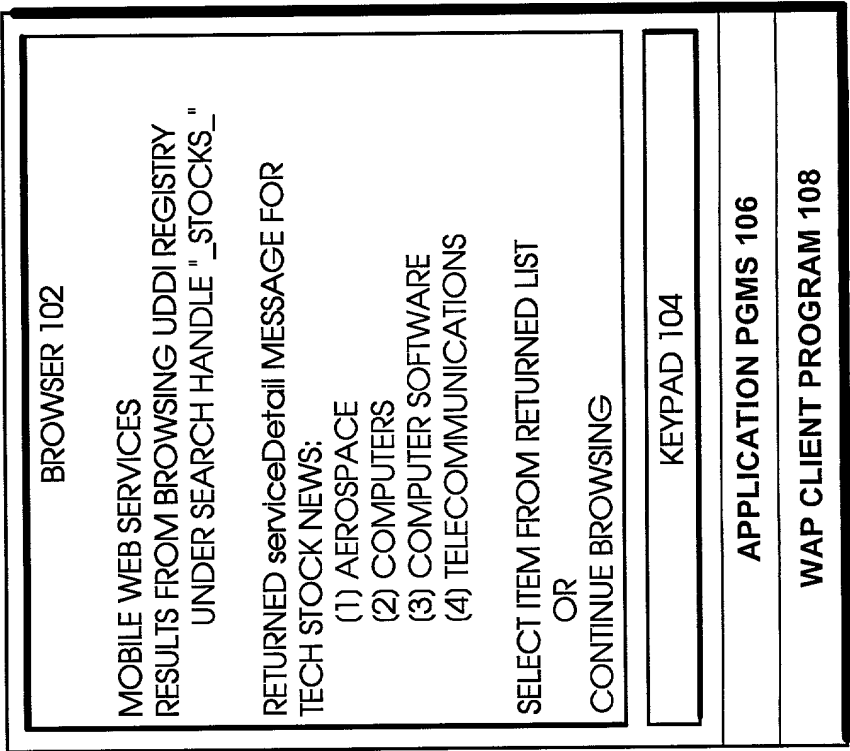


FIG. 1F

WIRELESS DEVICE 100

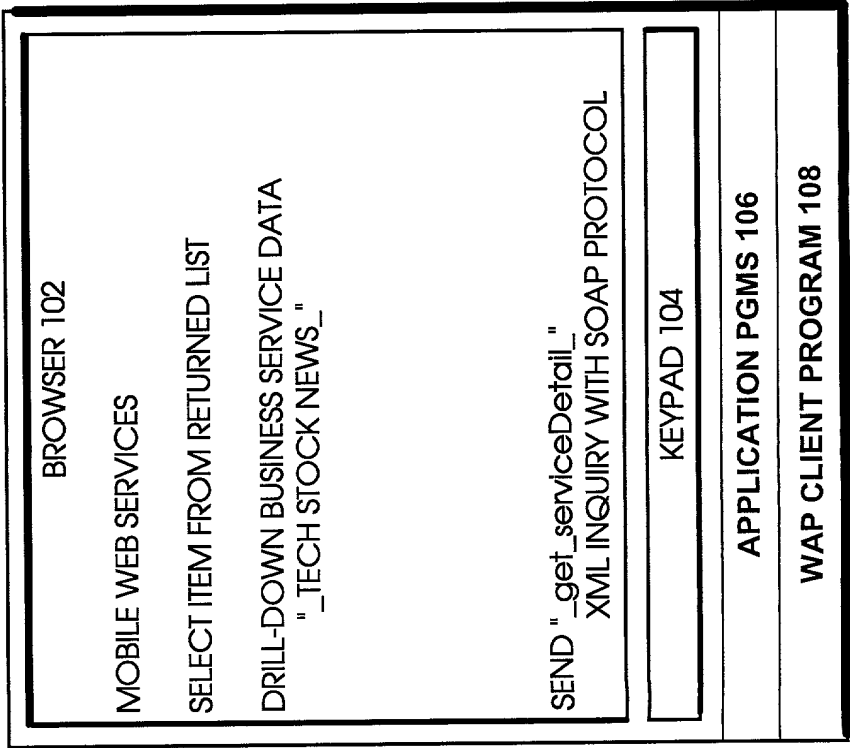


FIG. 1E

WIRELESS DEVICE 100



<p>BROWSER 102</p> <p>MOBILE WEB SERVICES</p> <p>RESULTS FROM REPLAYING UDDI SEARCH USING SEARCH HANDLE "_STOCKS_"</p> <p>RETURNED accessPoint URLs</p> <p>FROM BINDING TEMPLATE DATA</p> <p>IN RETURNED serviceDetail MESSAGE</p> <p>FOR "_COMPUTERS_"</p> <p>URL = "_www.wsj.com/news/computers_"</p> <p>URL = "_www.wsj.com/quotes/computers_"</p> <p>URL = "_www.wsj.com/graphs/computers_"</p> <p>SELECT ITEM FROM RETURNED LIST</p> <p>OR</p> <p>CONTINUE BROWSING</p>	<p>KEYPAD 104</p>
<p>APPLICATION PGMS 106</p>	
<p>WAP CLIENT PROGRAM 108</p>	

FIG. 1J

WIRELESS DEVICE 100



<p>BROWSER 102</p> <p>MOBILE WEB SERVICES</p> <p>ENTER SEARCH HANDLE TO USE PROFILE FROM A PRIOR SEARCH</p> <p>ENTER SEARCH HANDLE "_STOCKS_"</p> <p>SELECT TYPE OF SEARCH:</p> <p>(1) GET WEB PAGES FROM WEB SITE</p> <p>(2) REPLAY UDDI REGISTRY SEARCH STRATEGY</p>	<p>KEYPAD 104</p>
<p>APPLICATION PGMS 106</p>	
<p>WAP CLIENT PROGRAM 108</p>	

FIG. 1I

FIG. 2

WIRELESS DEVICE 100

MEMORY 202

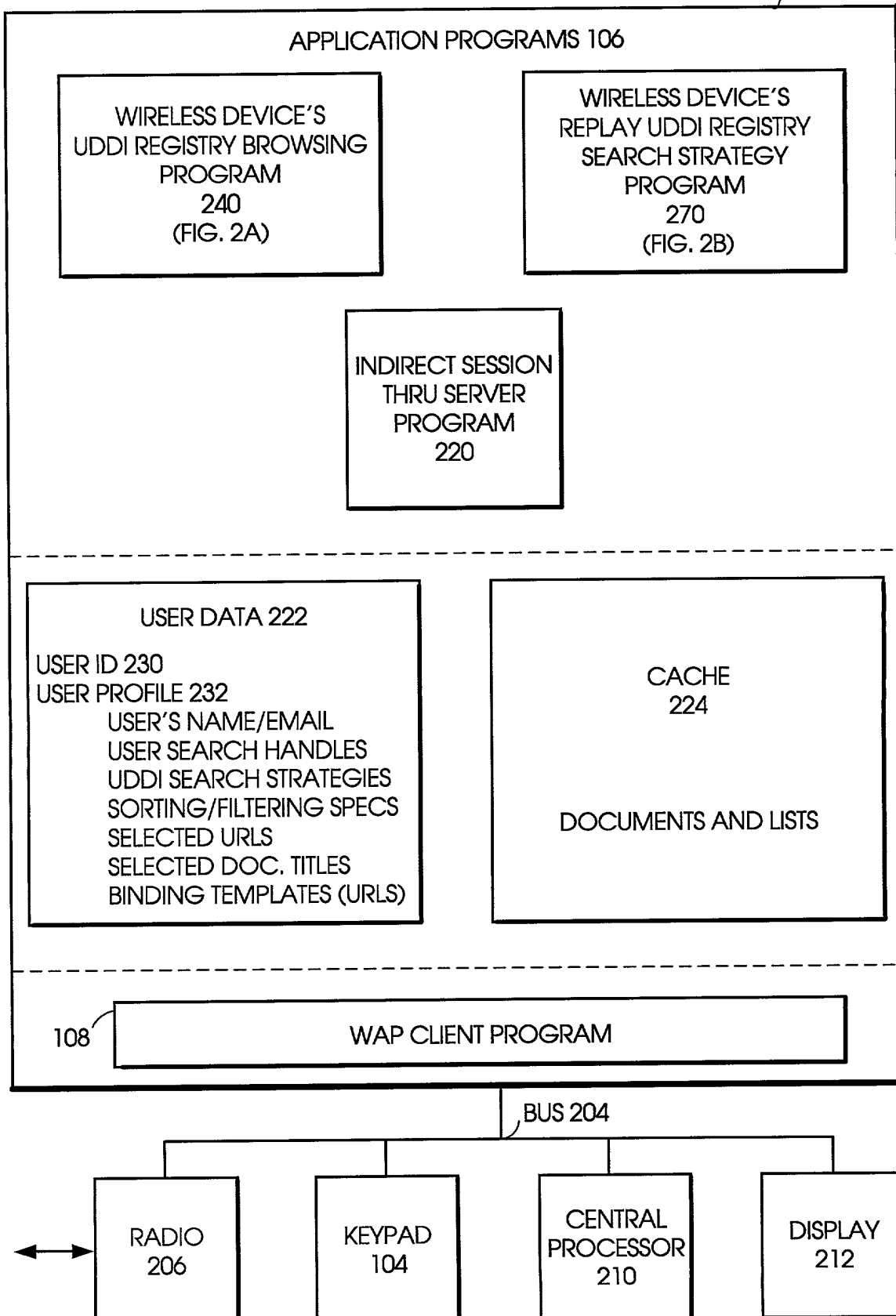


FIG. 2A

WIRELESS
DEVICE'S
UDDI
REGISTRY
BROWSING
PROGRAM
240

WIRELESS DEVICE BROWSING UDDI REGISTRY
ENTER SEARCH HANDLE "_STOCKS_"

250

ENTER QUERY TERMS "_WALL STREET_" + "_FINANC*_"
IS THIS A BUSINESS NAME? Y/N "_Y_"
IS THIS A SERVICE NAME? Y/N "_N_"

252

SEND "_find_business_" XML INQUIRY WITH
SOAP PROTOCOL TO UDDI REGISTRY

254

SELECT ITEM FROM RETURNED businessList MESSAGE
DRILL-DOWN BUSINESS ENTITY DATA
"_WALL STREET JOURNAL ONLINE_"

256

SEND "_find_service_" XML INQUIRY WITH
SOAP PROTOCOL TO UDDI REGISTRY

258

SELECT ITEM FROM RETURNED serviceList MESSAGE
DRILL-DOWN BUSINESS SERVICE DATA
"_TECH STOCK NEWS_"

260

SEND "_get_serviceDetail_" XML INQUIRY
WITH SOAP PROTOCOL TO UDDI REGISTRY

262

SELECT ITEM OF RETURNED serviceDetail MESSAGE
DISPLAY accessPoint URL
FROM bindingTemplate DATA "COMPUTERS"
IN RETURNED serviceDetail MESSAGE

264

URL = "_www.wsj.com\news\computers_"

STORE SEARCH HANDLE "_STOCKS_" IN USER PROFILE WITH
SELECTED URL = "_www.wsj.com\news\computers_"

266

STORE SEARCH HANDLE "_STOCKS_" IN USER PROFILE WITH
UDDI REGISTRY SEARCH STRATEGY:
BUSINESS NAME QUERY "_WALL STREET_" + "_FINANC*_"
businessEntity DATA SELECTED "_WALL STREET JOURNAL ONLINE_"
businessService DATA SELECTED "_TECH STOCK NEWS_"
bindingTemplate DATA SELECTED "_COMPUTERS_"
accessPoint URL SELECTED "_www.wsj.com\news\computers_"

268

FIG. 2B

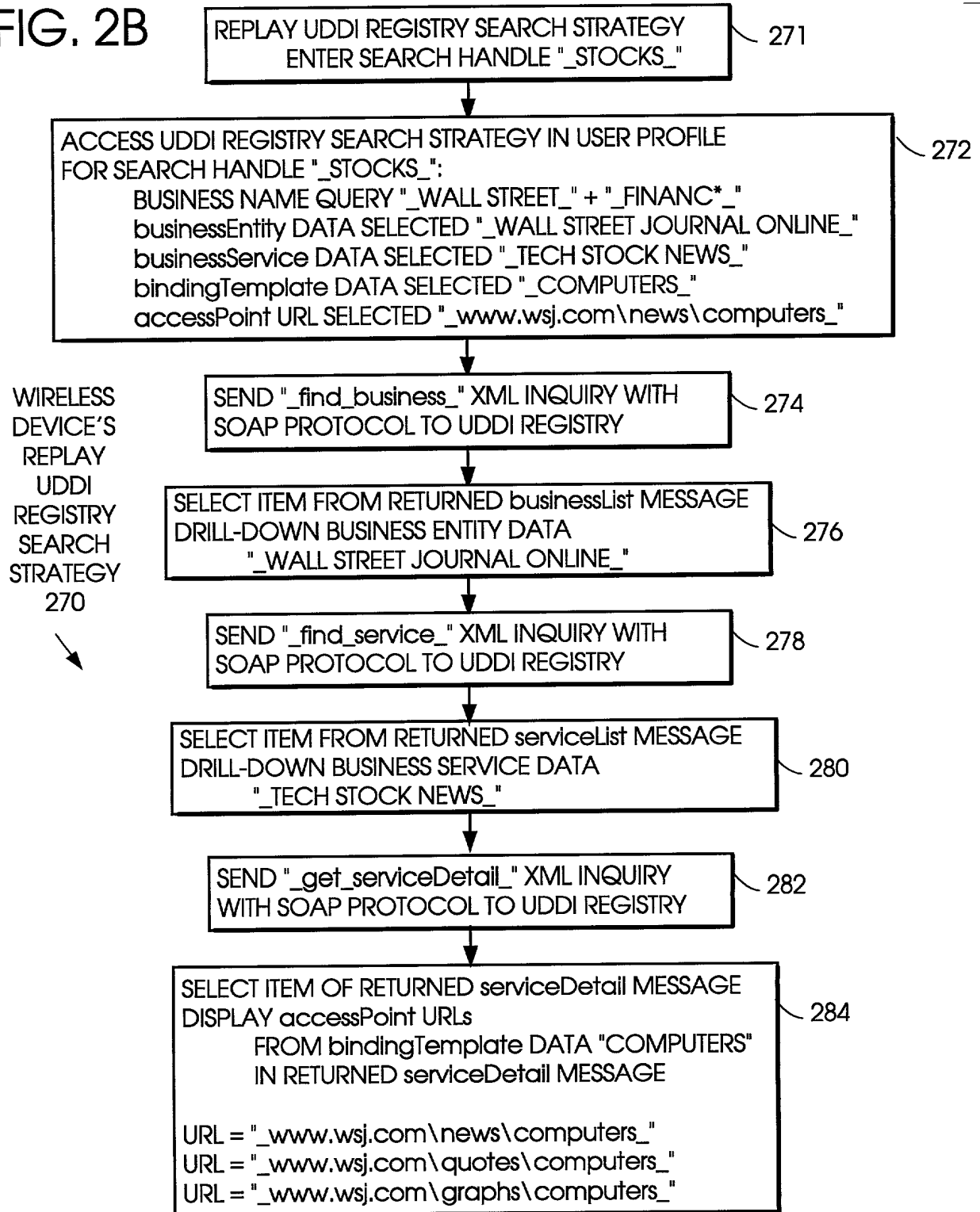


FIG. 3A

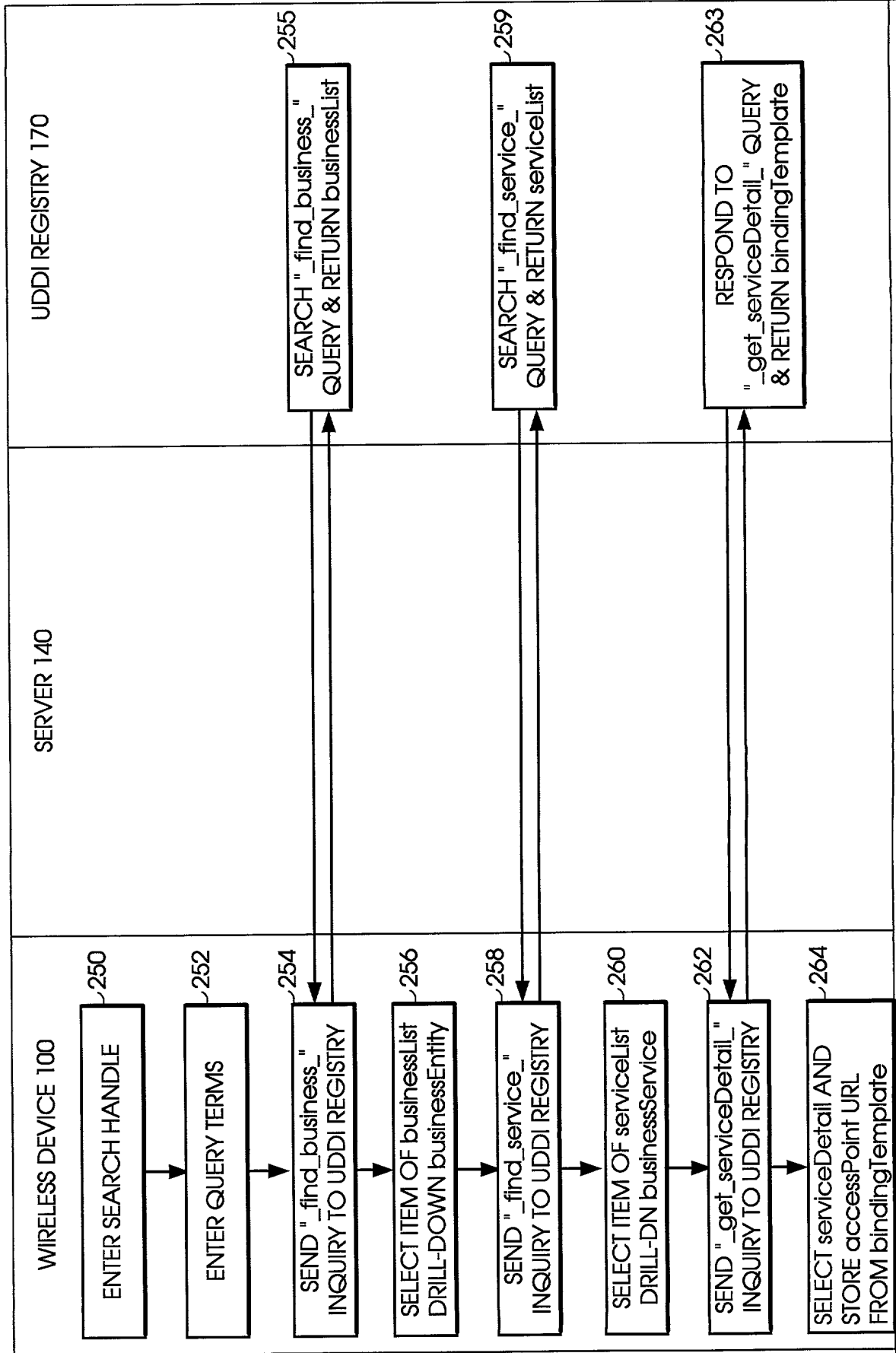


FIG. 3B

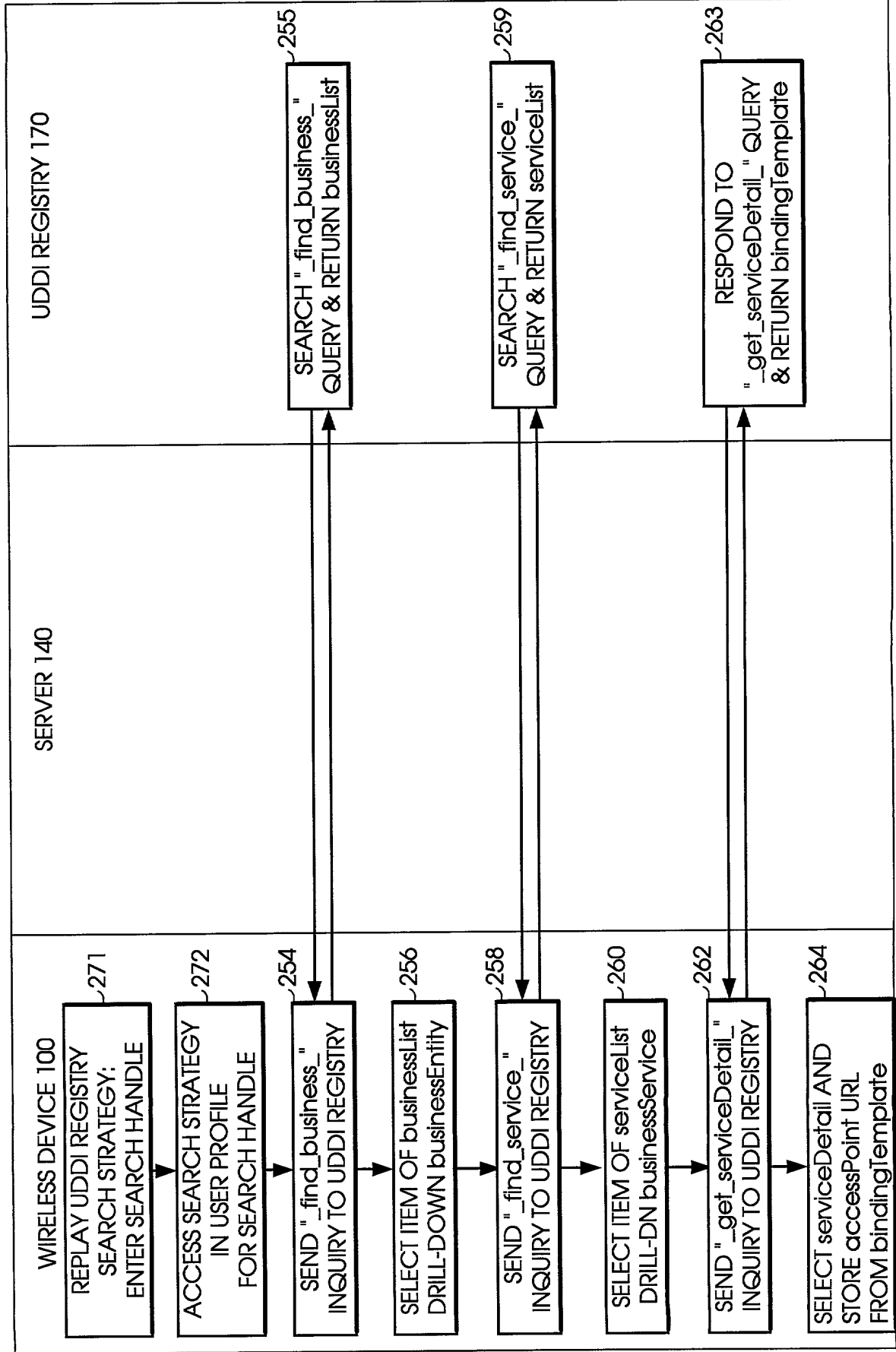


FIG. 4

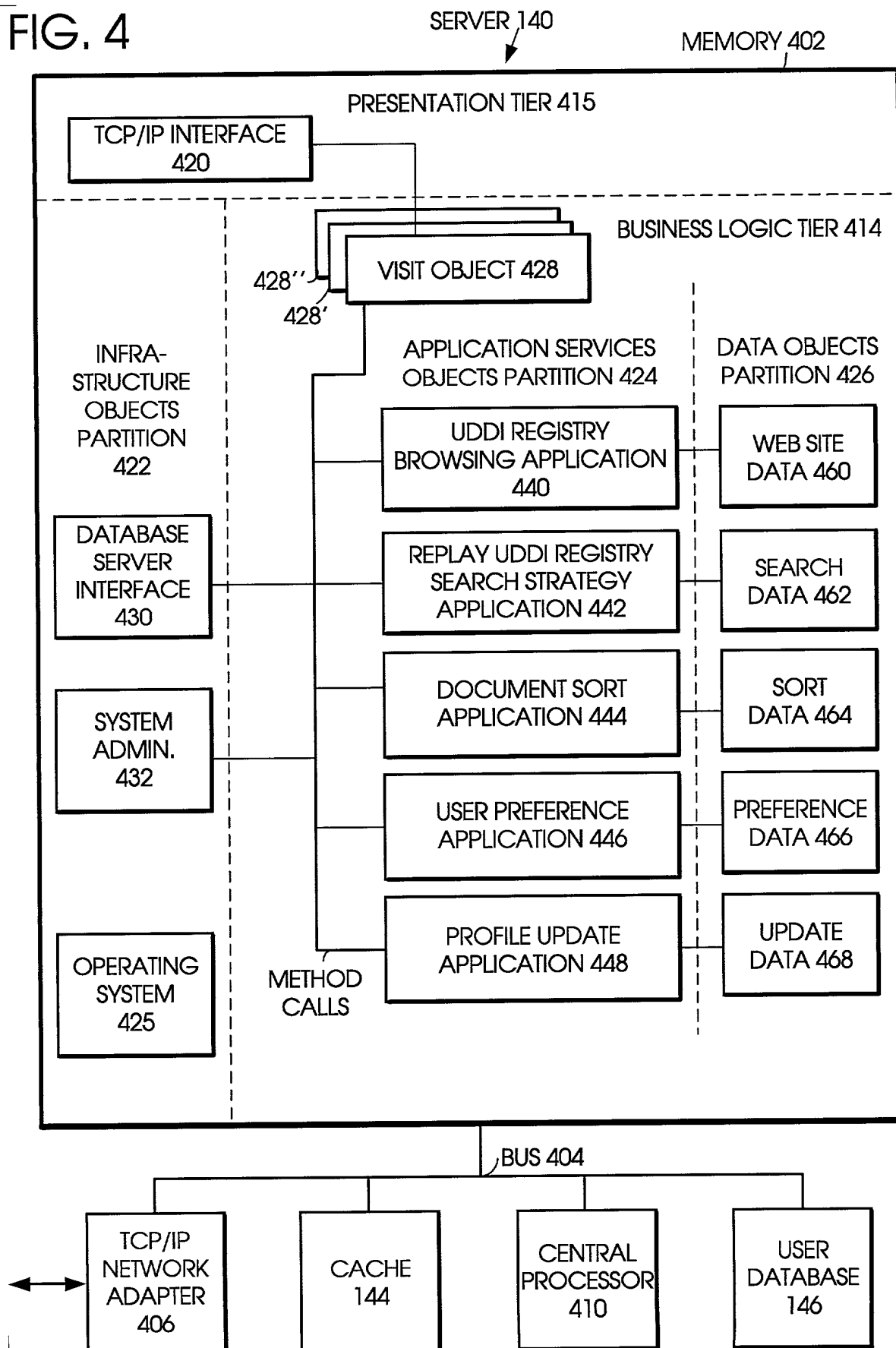


FIG. 4A

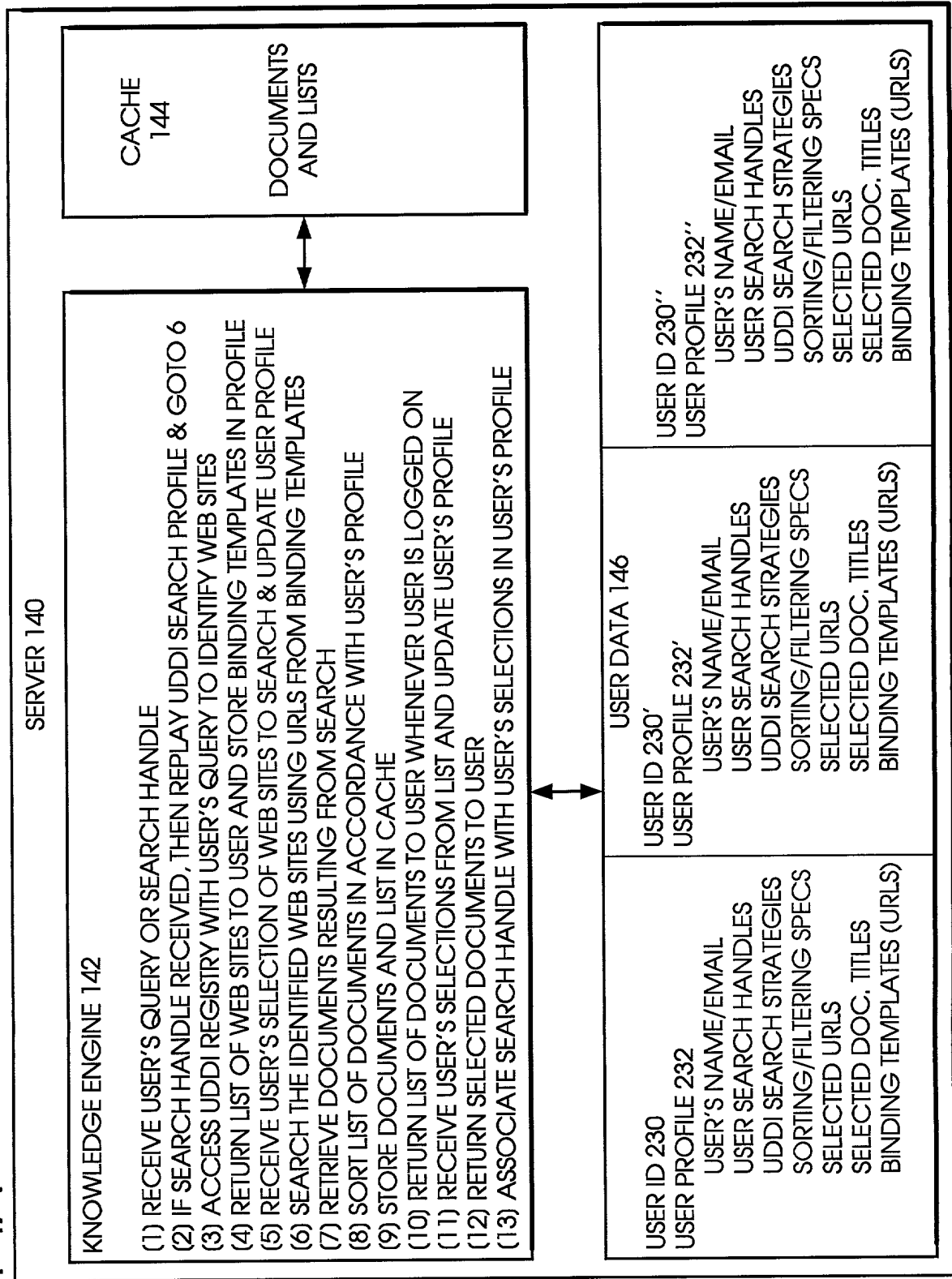


FIG. 4B

